



**Model Number**

**NJ15+U1+DW1-1**

**Features**

- **Rotational speed controller**
- **15 mm flush**
- **Start-up override time = approx. 30 s**

**Accessories**

- MH 04-2681F**  
Mounting aid for VariKont, +U1+ and +U9\*
- V1-M20-80**  
Receptacles, M12/M20; plastic version
- V1-G**  
Female connector, M12, 4-pin, field attachable
- V1-W**  
Female connector, M12, 4-pin, field attachable

**Technical Data**

**General specifications**

Switching element function	PNP NO contact
Frequency range	0.1 ... 1 Hz , adjustable
Rated operating distance	$s_n$ 15 mm
Installation	flush
Output polarity	DC
Assured operating distance	$s_a$ 0 ... 12.15 mm
Reduction factor $r_{AI}$	0.4
Reduction factor $r_{Cu}$	0.3
Reduction factor $r_{304}$	0.85

**Nominal ratings**

Operating voltage	$U_B$ 15 ... 60 V DC
Reverse polarity protection	reverse polarity protected
Short-circuit protection	pulsing
Voltage drop	$U_d$ $\leq$ 2 V
Operating current	$I_L$ 0 ... 100 mA
No-load supply current	$I_0$ $\leq$ 25 mA
Switching state indicator	LED 1: yellow
Damping indicator	LED 2: yellow

**Functional safety related parameters**

MTTF <sub>d</sub>	820 a
Mission Time (T <sub>M</sub> )	20 a
Diagnostic Coverage (DC)	0 %

**Ambient conditions**

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
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**Mechanical specifications**

Connection type	screw terminals
Information for connection	A maximum of two conductors with the same core cross-section may be mounted on one terminal connection! tightening torque 1.2 Nm + 10 %
Core cross-section	up to 2.5 mm <sup>2</sup>
Minimum core cross-section	without wire end ferrule 0.5 mm <sup>2</sup> , with connector sleeves 0.34 mm <sup>2</sup>
Maximum core cross-section	without wire end ferrule 2.5 mm <sup>2</sup> , with connector sleeves 1.5 mm <sup>2</sup>
Housing material	PBT
Sensing face	PBT
Degree of protection	IP67

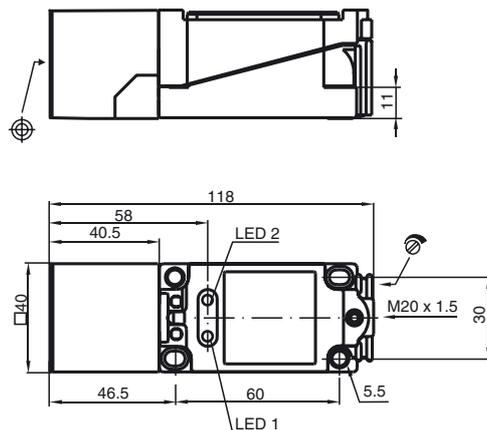
**Compliance with standards and directives**

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

**Approvals and certificates**

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
CCC approval	Certified by China Compulsory Certification (CCC)

**Dimensions**



**Electrical Connection**

